

PC-0025 CIP

<110> Walker, Michael, G.

<120> Ankyrin Repeat Domain 2 Protein

<130> PC-0025 CIP

<140> To Be Assigned

<141> Herewith

<160> 13

<170> PERL Program

<210> 1

<211> 329

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5578191CD1

<400> 1

Met	Glu	Asp	Ser	Glu	Ala	Val	Gln	Arg	Ala	Thr	Ala	Leu	Ile	Glu
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Gln	Arg	Leu	Ala	Gln	Glu	Glu	Glu	Asn	Glu	Lys	Leu	Arg	Gly	Asp
				20					25					30
Thr	Arg	Gln	Lys	Leu	Pro	Met	Asp	Leu	Leu	Val	Leu	Glu	Asp	Glu
				35					40					45
Lys	His	His	Gly	Ala	Gln	Ser	Ala	Ala	Leu	Gln	Lys	Val	Lys	Gly
				50					55					60
Gln	Glu	Arg	Val	Arg	Lys	Thr	Ser	Leu	Asp	Leu	Arg	Arg	Glu	Ile
				65					70					75
Ile	Asp	Val	Gly	Gly	Ile	Gln	Asn	Leu	Ile	Glu	Leu	Arg	Lys	Lys
				80					85					90
Arg	Lys	Gln	Lys	Lys	Arg	Asp	Ala	Leu	Ala	Ala	Ser	His	Glu	Pro
				95					100					105
Pro	Pro	Glu	Pro	Glu	Glu	Ile	Thr	Gly	Pro	Val	Asp	Glu	Glu	Thr
				110					115					120
Phe	Leu	Lys	Ala	Ala	Val	Glu	Gly	Lys	Met	Lys	Val	Ile	Glu	Lys
				125					130					135
Phe	Leu	Ala	Asp	Gly	Gly	Ser	Ala	Asp	Thr	Cys	Asp	Gln	Phe	Arg
				140					145					150
Arg	Thr	Ala	Leu	His	Arg	Ala	Ser	Leu	Glu	Gly	His	Met	Glu	Ile
				155					160					165
Leu	Glu	Lys	Leu	Leu	Asp	Asn	Gly	Ala	Thr	Val	Asp	Phe	Gln	Asp
				170					175					180
Arg	Leu	Asp	Cys	Thr	Ala	Met	His	Trp	Ala	Cys	Arg	Gly	Gly	His
				185					190					195
Leu	Glu	Val	Val	Lys	Leu	Leu	Gln	Ser	His	Gly	Ala	Asp	Thr	Asn
				200					205					210
Val	Arg	Asp	Lys	Leu	Leu	Ser	Thr	Pro	Leu	His	Val	Ala	Val	Arg
				215					220					225
Thr	Gly	Gln	Val	Glu	Ile	Val	Glu	His	Phe	Leu	Ser	Leu	Gly	Leu
				230					235					240
Glu	Ile	Asn	Ala	Arg	Asp	Arg	Glu	Gly	Asp	Thr	Ala	Leu	His	Asp

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	245		250		255
Ala Val Arg Leu	Asn Arg Tyr Lys Ile	Ile Lys Leu Leu Leu	Leu		
	260		265		270
His Gly Ala Asp	Met Met Thr Lys Asn	Leu Ala Gly Lys Thr	Pro		
	275		280		285
Thr Asp Leu Val	Gln Leu Trp Gln Ala	Asp Thr Arg His Ala	Leu		
	290		295		300
Glu His Pro Glu	Pro Gly Ala Glu His	Asn Gly Leu Glu Gly	Pro		
	305		310		315
Asn Asp Ser Gly	Arg Glu Thr Pro Gln	Pro Val Pro Ala Gln			
	320		325		

<210> 2

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5578191CB1

<400> 2

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cgagcagcgg	ctggcacagg	aggaggagaa	tgagaaactc	cgaggagaca	cacgccagaa	120
gctgccccatg	gacttgctgg	tgctggagga	tgagaagcac	cacggggctc	agagtgcagc	180
cctgcagaag	gtgaagggcc	aagagcgcg	gcgcaagacg	tccctggacc	tgcggcggga	240
gatcatcgat	gtgggcggga	tccagaacct	catcgagctg	cggaagaaac	gcaagcagaa	300
gaagcgggac	gctctggccg	cctcgcatga	gccgccccca	gagcccagg	agatcactgg	360
ccctgtggat	gaggagacct	tcctgaaagc	tgcggtggag	gggaaaatga	aggtcattga	420
gaagtccctg	gctgacgggg	ggtcagccga	cacgtgcgac	cagttccgct	ggacagcact	480
gcaccgagct	tccctggaag	gccacatgga	aatcctggag	aagcttctag	ataatggggc	540
cactgtggac	ttccaggatc	ggctggactg	cacagccatg	cattgggcct	gccgcggggg	600
ccacttagag	gtggtgaaac	ttctgcaaag	ccatggagca	gacaccaatg	tgagggataa	660
gctgctgagc	accccgctgc	acgtggcagt	cggacaggg	caggtggaga	ttgtggagca	720
ctttctatcc	ctgggcctgg	aaatcaatgc	cagagacagg	gaaggggata	ctgccctgca	780
tgacgctgtg	aggctcaacc	gctacaaaat	catcaaactg	ctgctcctgc	atggggctga	840
catgatgacc	aagaacctgg	caggaaagac	cccgcaggac	ctggtgcagc	tctggcaggc	900
tgatacccg	cacgccttgg	agcatcctga	gccgggggct	gagcataacg	ggctggaggg	960
gcctaataat	agtgggagag	agacccctca	gcctgtgcca	gcccagtgaa	tgctgtcccc	1020
agcccagcca	gctaccagc	ccctctctgt	gtgcagccgg	agggtcctaa	gaatggctcc	1080
cggagctaac	tgaggggcca	gccttttttc	tgcatgatcc	aggagcacat	accacaaact	1140
accacaataa	aaaagctg					1158

<210> 3

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 972118R6

<400> 3

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ctggcacagg	aggaggagaa	tgagaaactc	cgaggagacg	cacgccagaa	gctgccccatg	120
gacttgctgg	tgctggagga	tgagaagcac	cacggggctc	agagtgcagc	cctgcagaag	180

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gtgaagggcc aagagcgcgt ggcgaagacg tccctggacc tgcggcgagg gatcatcgat 240
gtgggcggga tccagaacct catcgagctg cggagaaaac gcaagcagaa gaagcgggac 300
gctctggccg cctcgcatga gccgccccca gagcccgagg agatcactgg ccctgtggat 360
gaggagacct tcctgaaagc tgcgggtggag gggaaacatg aaggtcattg agaagttcct 420
ggctgacggg gggtcagccg acacgtgcga ccagttccgt cggacagcac tgcaccgagc 480
ttccctggaa gggccacatg gaaatcctgg agaagcttct agataatggg gccactgtgg 540
acttccagga tcggctggac tgcacagcca tgcatt 576

<210> 4

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4852018H1

<400> 4

ctggccctgt ggatgaggag accttcctga aagctgcggt ggaggggaaa atgaagggtca 60
ttgagaagtt cctggctgac ggggggtcag ccgacacgtg cgaccagttc cgtcggacag 120
cactgcaccg agcttcctct gaaggccaca tggaaatcct ggagaagctt ctagataatg 180
gggccactgt ggacttccag gatcggctgg actgcacagc catgcattgg gcctgccgag 240
ggggccactt aga 253

<210> 5

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 972118T6

<400> 5

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gaccctccgg ctgcacacag agaggggctg ggtagctggc tgggctgggg cagcattca 120
ctgggctggc acaggctgag gggctctctc cccactatca ttagggccct ccagcccgtt 180
atgctcagcc cccggctcag gatgctccag ggcgtgccgg gtatcagcct gccagagctg 240
caccaggtcc gtcggggtct ttcctgccag gttcttggtc atcatgtcag ccccatgcag 300
gagcagcagt ttgatgattt tgtagcgggt gagcctcaca gcgtcatgca gggcagtatc 360
cccttcctctg tctctggcat tgatttccag gccagggat agaaagtgtc ccacaatctc 420
cacctgccct gtccggactg ccacgtgcag cggggtgctc agcagcttat ccctcacatt 480
gggtgtctgt ccatggcttt gcagaagttt caccacctc aagtggcccc cgcggcaggc 540
ccaatgcatt gctgtgcagt ccagccgat 569

<210> 6

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7350215H1

<400> 6

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ccctggagca tcctgagccg ggggctgagc ataacgggct ggaggggcct aatgatagt 120
ggcgagagac ccctcagcct gtgccagccc agtgaatgcg tgccccagcc cagccagcta 180
cccagcccct ctctgtgtgc agccggaggg tcctaagaat ggctcccgga gctaaactgag 240
ggccccagcct tttttctgca tgatccagga gcacatacca caaactacca caataaaaaa 300
gctgtttttg ctaattgcga tgttcatttc 330

<210> 7
<211> 255
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700911986H1

<400> 7
tggaaggcac catggagggt cccgaggctg tgcagagagc cacagagctc atcgagcagc 60
ggcttgccga ggaggaagag actgagaaac ttcgaagagc cactcctggg aagacgtcca 120
tgacatgct agtgctagag gacgagaagc gcctcggggg gcagagtcct gctttacaaa 180
aggttaaggg ccaagagcgc gtgcgcaaga catccctgga cttgcgacgt gagatcattg 240
acgtgggcgg gatcc 255

<210> 8
<211> 275
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701144158H1

<400> 8
gcacatggag ggtcccagag ctgtgcagag agccacagag ctcatcgagc agcggcttgc 60
cgaatgaagg agaagactga gaaacttcga agagccactc ctgggaagac gtccatggac 120
atgctagtgc tagaggacga gaagcgctcg ggggtgcagag tcctgcttta caaaagggtta 180
agggccaaga gcgcgtgcgc aagacatccc tggacttgcg acgtgagatc attgacgtgg 240
gcgggatcca gaacctcata gaactgagga aaaaa 275

<210> 9
<211> 315
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700188047H1

<220>
<221> unsure
<222> 54, 80, 121
<223> a, t, c, g, or other

<400> 9
attcctgaaa gcagcgggtgg aggggaaaaat caaagtcatt gacaagtacc tggagacgg 60
aggttcggca gacacctgtn atgagttccg tcggacagca ctgcatcggg cctccctgga 120
nngacacatg gagatactgg agaaacttct ggagaatggg gccaccgtgg acttcaggga 180

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tgcgctggac tgcacagcca tgcactgggc ctgccgtgga ggccacctgg aggtgggtgaa 240
atcttgcaaa gtcggggggc caacaccgac gtgagagaca agctatgagc actcccctgc 300
atgtgggcgt ccgta 315

<210> 10
<211> 207
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700913268H1

<400> 10
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tacaaaatca tcaaactgct gctcttgcac ggggcagaca tgatggctaa gaatatggcg 120
gggaagaccc ctaccgacct ggtccagctg tggcaagcag acaccgggca tgccctggag 180
caccctgaac cagaatcaga gcagaac 207

<210> 11
<211> 328
<212> PRT
<213> Mus musculus

<220>
<221> misc_feature
<223> Incyte ID No: g9501360

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Met Glu Gly Pro Glu Ala Val Gln Arg Ala Thr Glu Leu Ile Glu
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Gln Arg Leu Ala Gln Glu Glu Glu Thr Lys Leu Arg Arg Ser
20 25 30
Ala Pro Gly Lys Leu Ser Met Asp Met Leu Val Leu Glu Glu Glu
35 40 45
Lys Arg Leu Gly Val Gln Ser Pro Ala Leu Gln Lys Val Lys Gly
50 55 60
Gln Glu Arg Val Arg Lys Thr Ser Leu Asp Leu Arg Arg Glu Ile
65 70 75
Ile Asp Val Gly Gly Ile Gln Asn Leu Ile Glu Leu Arg Lys Lys
80 85 90
Arg Lys Gln Lys Lys Arg Asp Ala Leu Ala Ala Ala Gln Glu Pro
95 100 105
Pro Pro Glu Pro Glu Glu Ile Thr Gly Pro Val Asn Glu Glu Thr
110 115 120
Phe Leu Lys Ala Ala Val Glu Gly Lys Met Lys Val Ile Asp Lys
125 130 135
Tyr Leu Ala Asp Gly Gly Ser Ala Asp Thr Cys Asp Glu Phe Arg
140 145 150
Arg Thr Ala Leu His Arg Ala Ser Leu Glu Gly His Met Glu Ile
155 160 165
Leu Glu Lys Leu Leu Glu Asn Gly Ala Thr Val Asp Phe Gln Asp
170 175 180
Arg Leu Asp Cys Thr Ala Met His Trp Ala Cys Arg Gly Gly His
185 190 195
Leu Glu Val Val Arg Leu Leu Gln Ser Arg Gly Ala Asp Thr Asn

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200	205	210
Val Arg Asp Lys Leu Leu Ser Thr Pro	Leu His Val Ala Val	Arg
215	220	225
Thr Gly His Val Glu Ile Val Glu His	Phe Leu Ser Leu Gly	Leu
230	235	240
Asp Ile Asn Ala Lys Asp Arg Glu Gly	Asp Ser Ala Leu His	Asp
245	250	255
Ala Val Arg Leu Asn Arg Tyr Lys Ile	Ile Lys Leu Leu Leu	Leu
260	265	270
His Gly Ala Asp Met Met Ala Lys Asn	Leu Ala Gly Lys Thr	Pro
275	280	285
Thr Asp Leu Val Gln Leu Trp Gln Ala	Asp Thr Arg His Ala	Leu
290	295	300
Glu His Pro Glu Pro Glu Ser Glu Gln	Asn Gly Leu Glu Arg	Pro
305	310	315
Gly Ser Gly Arg Glu Thr Pro Gln Pro	Ile Pro Ala Gln	
320	325	

<210> 12

<211> 328

<212> PRT

<213> Mus musculus

<220>

<221> misc_feature

<223> Incyte ID No: g5420272

<400> 13

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20 25 30	
Ala Pro Gly Lys Leu Ser Met Asp Met Leu Val Leu Glu Glu Glu	
35 40 45	
Lys Arg Leu Gly Val Gln Ser Pro Ala Leu Gln Lys Val Lys Gly	
50 55 60	
Gln Glu Arg Val Arg Lys Thr Ser Leu Asp Leu Arg Arg Glu Ile	
65 70 75	
Ile Asp Val Gly Gly Ile Gln Asn Leu Ile Glu Leu Arg Lys Lys	
80 85 90	
Arg Lys Gln Lys Lys Arg Asp Ala Leu Ala Ala Ala Gln Glu Pro	
95 100 105	
Pro Pro Glu Pro Glu Glu Ile Thr Gly Pro Val Asn Glu Glu Thr	
110 115 120	
Phe Leu Lys Ala Ala Val Glu Gly Lys Met Lys Val Ile Asp Lys	
125 130 135	
Tyr Leu Ala Asp Gly Gly Ser Ala Asp Thr Cys Asp Glu Phe Arg	
140 145 150	
Arg Thr Ala Leu His Arg Ala Ser Leu Glu Gly His Met Glu Ile	
155 160 165	
Leu Glu Lys Leu Leu Glu Asn Gly Ala Thr Val Asp Phe Gln Asp	
170 175 180	
Arg Leu Asp Cys Thr Ala Met His Trp Ala Cys Arg Gly Gly His	
185 190 195	
Leu Glu Val Val Arg Leu Leu Gln Ser Arg Gly Ala Asp Thr Asn	
200 205 210	

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Val	Arg	Asp	Lys	Leu	Leu	Ser	Thr	Pro	Leu	His	Val	Ala	Val	Arg
				215					220					225
Thr	Gly	His	Val	Glu	Ile	Val	Glu	His	Phe	Leu	Ser	Leu	Gly	Leu
				230					235					240
Asp	Ile	Asn	Ala	Lys	Asp	Arg	Glu	Gly	Asp	Ser	Ala	Leu	His	Asp
				245					250					255
Ala	Val	Arg	Leu	Asn	Arg	Tyr	Lys	Ile	Ile	Lys	Leu	Leu	Leu	Leu
				260					265					270
His	Gly	Ala	Asp	Met	Met	Ala	Lys	Asn	Leu	Ala	Gly	Lys	Thr	Pro
				275					280					285
Thr	Asp	Leu	Val	Gln	Leu	Trp	Gln	Ala	Asp	Thr	Arg	His	Ala	Leu
				290					295					300
Glu	His	Pro	Glu	Pro	Glu	Ser	Glu	Gln	Asn	Gly	Leu	Glu	Arg	Pro
				305					310					315
Gly	Ser	Gly	Arg	Glu	Thr	Pro	Gln	Pro	Ile	Pro	Ala	Gln		
				320					325					

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